

CLAIMS

I claim:

- 1 1. A waterproof, illuminated disc flyer, comprising:
 - 2 an upper disc member having an upper surface, a lower
 - 3 surface, a circular periphery, a centrally disposed dome and a
 - 4 plurality of molded spokes uniformly spaced and extending
 - 5 radially outward from the dome to the periphery;
 - 6 a concave lower disc member having an outer periphery
 - 7 sealed to the periphery of the upper disc member, the lower disc
 - 8 member having an opening defined therein defining an inner
 - 9 periphery and forming an entrance to a chamber defined under the
 - 10 dome;
 - 11 a plurality of lights, the lights protruding outwards at
 - 12 alternating opposite ends of the plurality of molded spokes and
 - 13 at least one of the lights extending upward from the centrally
 - 14 disposed dome;
 - 15 a cover removably mounted over the opening in said lower
 - 16 disc member;
 - 17 waterproofing means for providing a waterproof seal between
 - 18 said cover and said lower disc member; and
 - 19 electric circuit means for supplying power to the lights.

1 2. The waterproof illuminated disc flyer according to claim
2 1, further comprising a battery clip disposed in the chamber
3 under said dome.

1 3. The waterproof illuminated disc flyer according to claim
2 1, further comprising a switch disposed in the chamber under said
3 dome.

1 4. The waterproof illuminated disc flyer according to claim
2 1, further comprising a plurality of support walls disposed under
3 said dome, each of said walls having a threaded blind bore defined
4 therein.

1 5. The waterproof illuminated disc flyer according to claim
2 1, wherein said cover is a molded plastic disc, the cover having
3 an outer flange, a flexible membrane central to said cover, and a
4 plurality of apertures uniformly distributed along the outer
5 flange.

1 6. The waterproof illuminated disc flyer according to claim
2 5, further comprising a pushbutton switch having a depressible
3 button generally in contact with the membrane portion of said
4 cover, whereby depressing the outer surface of said membrane
5 operates said switch.

1 7. The waterproof illuminated disc flyer according to claim
2 1, further comprising a waterproof gasket disposed between the
3 lower surface of said upper disc member and said cover.

1 8. The waterproof illuminated disc flyer according to claim
2 1, wherein the upper surface of said upper body slopes from the
3 center to the outer periphery with the lowermost outer edge
4 projecting outward, slightly beyond the end of said lighting
5 means, thereby protecting said lights.

1 9. The waterproof illuminated disc flyer according to claim
2 1, further comprising a printed circuit board disposed in the
3 chamber under said dome, the printed circuit board electrically
4 connected to said electric circuit means.

1 10. The waterproof illuminated disc flyer according to
2 claim 10, wherein said circuit board further comprises electronic
3 circuitry means for controlling said lights.

1 11. The waterproof illuminated disc flyer according to
2 claim 1, wherein said upper disc, said lower disc, and said cover
3 are comprised of molded plastic.

1 12. The waterproof illuminated disc flyer according to
2 claim 1, wherein said lights comprise light emitting diodes.

1 13. The waterproof illuminated disc flyer according to
2 claim 1, wherein said upper disc is sonic welded to said lower
3 disc, whereby said disc flyer has positive buoyancy when placed
4 in fresh water.